

# Technical Service Bulletin

<b>Topic</b>	DTC B17B801 and/or B17B804 - evident within address 0019 and/or DTC U112300 evident in 00A5
<b>Market area</b>	Bentley: worldwide (2WBE),China 723 Volkswagen (Anhui) Automotive CO (6723),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2063855/11
<b>Level</b>	EH
<b>Status</b>	Released for publishing
<b>Release date</b>	Feb 26, 2025

## Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0019 - Data Bus OBD Interface	B17B801: Steering Wheel Touch Recognition Control Module Electrical malfunction		Intermittent
0019 - Data Bus OBD Interface	B17B804: Steering Wheel Touch Recognition Control Module faulty		Intermittent
0019 - Data Bus OBD Interface	B17B804: Steering Wheel Touch Recognition Control Module faulty		static
00A5 - Front sensor for driver assistance systems	U112300: Data bus error value received		Intermittent
0019 - Data Bus OBD Interface	B17B801: Steering Wheel Touch Recognition Control Module Electrical malfunction		static
00A5 - Front sensor for driver assistance systems	U112300: Data bus error value received		static

## New customer code

Object of complaint	Complaint type	Position
assistance systems, comfort controls -> lane change assistance	functionality	
assistance systems, comfort controls -> cruise control/distance regulation -> traffic jam assist	functionality -> operation sequence incorrect	

## Vehicle data

### New Continental GT/GTC - New Flying Spur - Bentayga Series

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S3*	2021	E		*	*	*
3S3*	2022	E		*	*	*
3S3*	2023	E		*	*	*
3S3*	2024	E		*	*	*
3S4*	2021	E		*	*	*
3S4*	2022	E		*	*	*
3S4*	2023	E		*	*	*
3S4*	2024	E		*	*	*
4V1*	2021	E		*	*	*
4V1*	2022	E		*	*	*
4V1*	2023	E		*	*	*
4V1*	2024	E		*	*	*
4V1*	2025	E		*	*	*
Z23*	2025	E		*	*	*
Z24*	2025	E		*	*	*
Z32*	2025	E		*	*	*
ZG2*	2021	E		*	*	*
ZG2*	2022	E		*	*	*
ZG2*	2023	E		*	*	*
ZG2*	2024	E		*	*	*
ZV1*	2023	E		*	*	*
ZV1*	2024	E		*	*	*
ZV1*	2025	E		*	*	*

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## Documents

Document name
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master.xml
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## Condition

- Lane Assist and / or Traffic Assist are not functional
- DTC - B17B801 - Steering Wheel Touch Recognition Control Module evident within address 0019

And/or

- DTC B17B804 - Steering Wheel Touch Recognition Control Module electrical error - evident within address 0019

And/or

- DTC U112300 with symptom Code 1123220 within address 00A5

## Technical Background

### Revision history

TPI 2063855/10 - Road test is no longer required to confirm functionality, a revised ODIS routine has been added to eliminate the need to conduct a road test

## Production Solution

Should the issue be evident post the following VIN's, raise a Technical DISS query and await feedback before replacing any parts

New Continental GT/C and New Flying Spur - SCBCW13S6PC004676

Bentayga - SJAH514V1PC017609

## Service

### **CAUTION**

Before any work is carried out on the vehicle. Refer to "Precautions - Passive restraint systems and components". Failure to comply with the instructions could lead to inadvertent deployment of the air bag module

- 1) Referring to Rep.Gr 69 - Remove the driver's air bag
- 2) Referring to Figure 1 - Replace the Steering Wheel Contact Detection control unit (J1158)

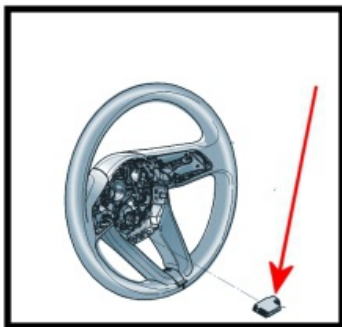


Figure 1

- 3) Referring to Rep.Gr 69 - Refit the driver's air bag
  - Referring to Rep.Gr 27 - Fit a suitable battery charger
- 4) Using ODIS navigate to 0019 (Gateway) >Guided Functions>0019 Read Measured Values>Select ID>IDE12609 (Figure 2)
  - Select Starting update

Measured value name	ID	Value
Steering wheel touch recognition, status	IDE12609	
Touch intensity sensor 1	MAS14836	
↳ [LO]_Formula		
↳ [LO]_Test_Program_Touch_inter		0
↳ [LO]_Touch_intensity_sensor_1_Text		numerical value, no text
Touch intensity sensor 2	MAS14837	
↳ [LO]_Formula		
↳ [LO]_Test_Program_Touch_inter		59
↳ [LO]_Touch_intensity_sensor_2_Text		numerical value, no text
Touch intensity sensor 3	MAS14838	
↳ [LO]_Formula		
↳ [LO]_Test_Program_Touch_inter		58
↳ [LO]_Touch_intensity_sensor_3_Text		numerical value, no text
Touch status	MAS14839	Light grip left and right
Malfunction status	MAS02832	No malfunction detected

Search

Selecting measurements   **Starting update**   Update once   OK

Figure 2

- Place hands (light grip) on the steering wheel at the various points as shown in Figure 3

Hint: For clarity / photographic purposes Figure 3 is shown without steering wheel protection fitted



Figure 3

- Monitor the Sensor 2 and Sensor 3 values whilst holding the steering wheel at the points shown - **The expected values are between 40 and 60 and No malfunction Detected**

Hint: For clarity sensor 1 is not used

**NOTICE**

Sensor 2 and sensor 3 should recognise contact with the steering wheel and will show the values changing if the system is working to specification

5) Erase all applicable DTC's

**NOTICE**

If the values are between 40 and 60 **No malfunction Detected** and no warnings are evident within the DIP no further action is required

However

In the event the issue is not resolved the operative should raise a DISS query requesting permission to replace the steering wheel

**Warranty**

Warranty type 110 or 910

Damage service number 48 10

Damage code 00 24

**Time to replace the control unit for Steering Wheel Contact Detection**

Labour operation code 48 10 19 70

Time 10 TU

**Time to remove and refit the drivers airbag**

Labour operation code 69 58 19 00

Time 30 TU (New Continental GT / C and New Flying Spur)

20 TU (Bentayga)

**Diagnosis time**

Labour operation code 01 50 00 00

Time As per ODIS log (must not exceed 20 TU)

**Required Parts and Tools**

- Control Unit for Steering Wheel Contact Detection - J1158 - As per the ETKA parts catalogue



**NOTICE**

**DO NOT REPLACE THE STEERING WHEEL UNLESS PERMISSION HAS BEEN GRANTED VIA A NEW OR EXISTING DISS QUERY**